

FIG. 1

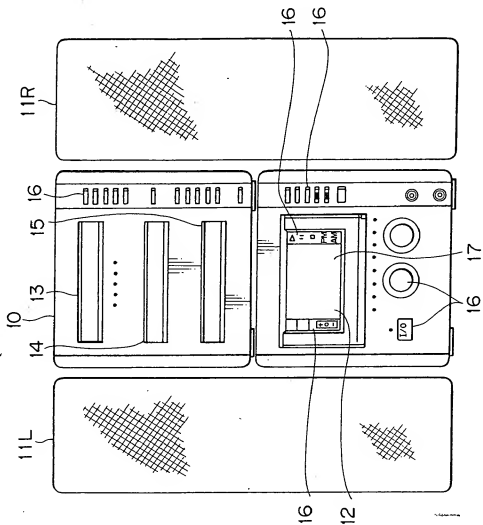


FIG. 2A

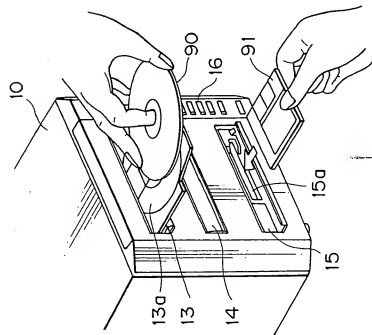


FIG. 2B

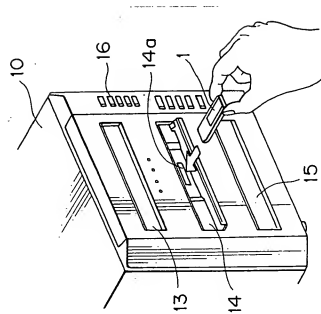
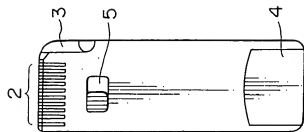
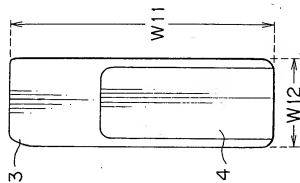
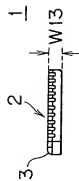


FIG. 3



## FIG. 4

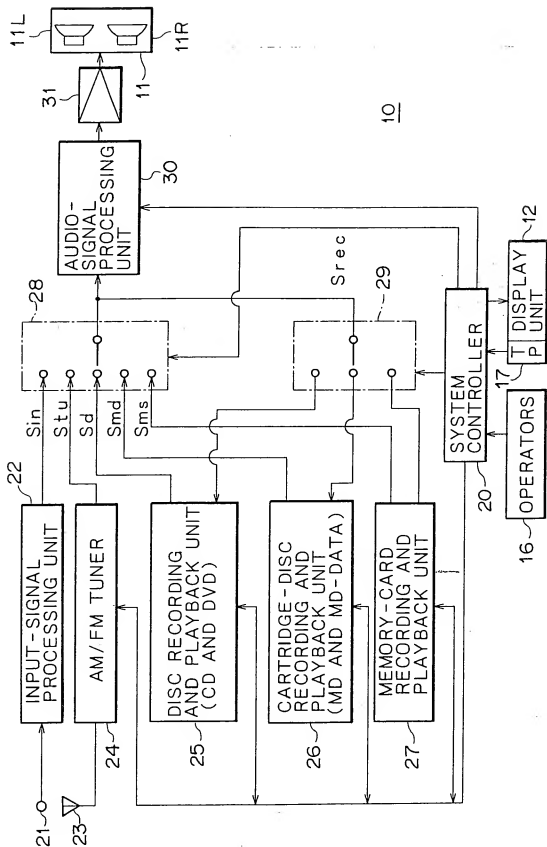


FIG. 5

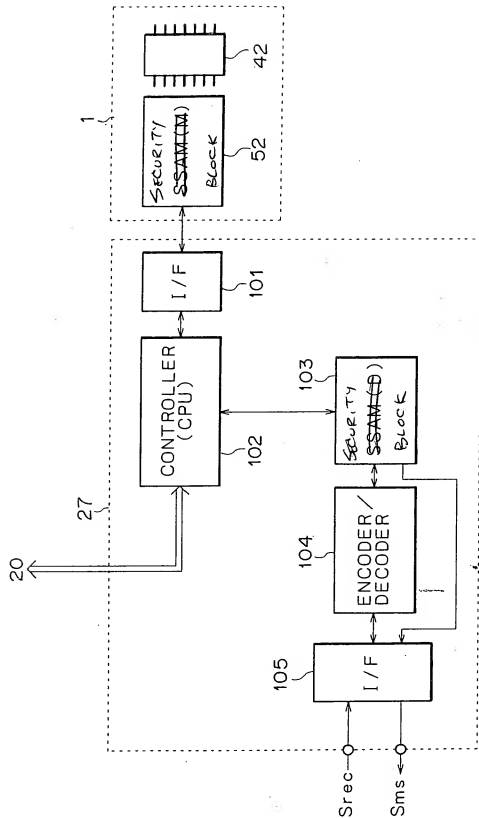
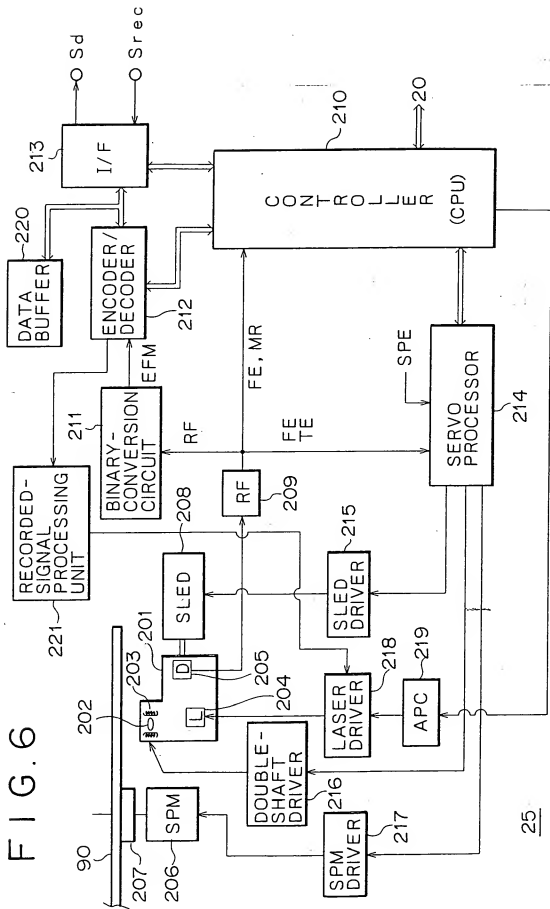
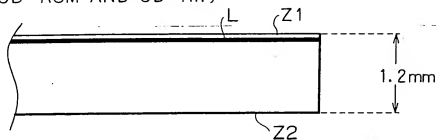


FIG. 6



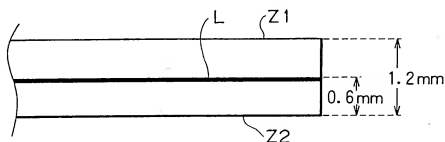
# FIG. 7A

SINGLE-PLATE DISC (SUCH AS CD-DA, CD-R, CD-ROM AND CD-RW)



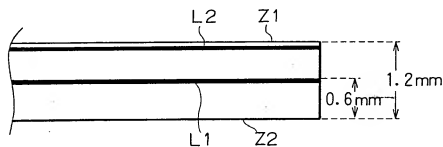
# FIG. 7B

SINGLE-LAYER HD DISC (SINGLE-LAYER DVD)



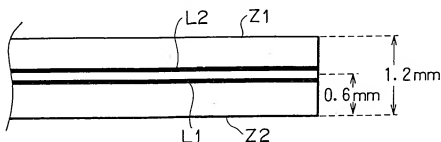
# FIG. 7C

HYBRID DISC (SACD)



# FIG. 7D

MULTI-LAYER HD DISC (DUAL-LAYER DVD)



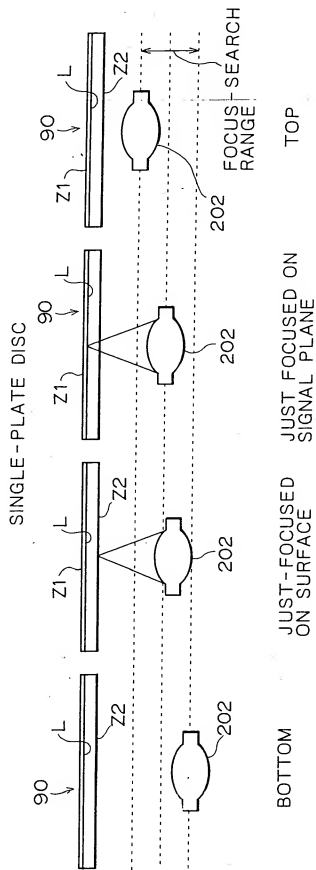
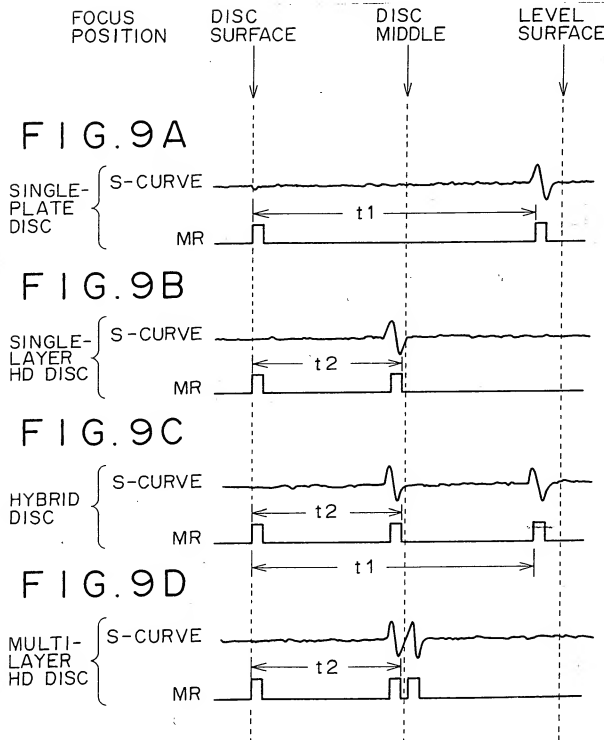


FIG.8A    FIG.8B    FIG.8C    FIG.8D





THE DISC IS MOUNTED

FIG.10

PERFORM BUILDUP PROCESSING  
AND OBSERVE THE S-CURVE  
AND THE MR SIGNAL

F102  
IS THERE  
A RESPONSE TO A  
650nm LASER  
?

F101

N

F103

DETERMINE THE DISC TO  
BE A CD-R AND PERFORM  
ERROR PROCESSING

F104  
SINGLE-  
PLATE DISC ?

N

F105

Y

HYBRID DISC ?

N

F106

DETERMINE THE  
DISC TO BE A DVD

F107  
REFLECTANCE  
RATIO  $\geq 50\%$   
?

N

F108  
ISRC IN SUB-  
CODE Q ?

F108

Y

F109

DETERMINE THE  
DISC TO BE A  
CD-RW

F110  
DOES TOC  
INDICATE A  
CD-ROM ?

N

Y

F111

DETERMINE THE DISC  
TO BE A CD-ROM  
(A VIDEO CD)

F112

DETERMINE  
THE DISC TO  
BE A CD-DA

F114

TURN ON THE RECORD-  
ING INHIBIT FLAG

F113

TURN OFF THE  
RECORDING  
INHIBIT FLAG

002101.E4506960

FIG. 11

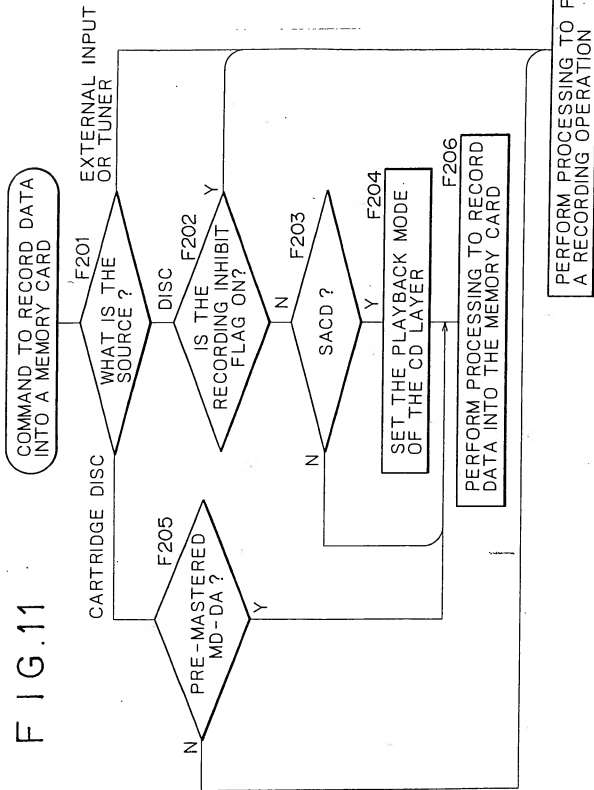


FIG.12

SOURCE	PERMISSION OR PROHIBITION OF MEMORY-CARD RECORDING	RECORDING-LAYER STRUCTURE
CD-DA (CD-TEXT, CD-G)	O	SINGLE-PLATE DISC
CD-ROM (VIDEO CD)	X	
CD-RW	X	
CD-R	X	
DVD-ROM	X	SINGLE-LAYER HD DISC OR MULTI-LAYER HD DISC
DVD-R	X	
DVD-RW	X	
SA-CD	ONLY CD LAYER O	HYBRID DISC
MD-DA (PRE-MASTERED)	O	
MD-DA (RECORDABLE TYPE)	X	
MD-DATA	X	
TUNER	X	
EXTERNAL INPUT	X	
MO DISC	X	